BRUHAT BENGALURU MAHANAGAR PALIKE

Name of the Work : Community Property and Improvements to Park in Ward No -13 Shettyhalli Sub - Division

MODIFIED ESTIMATE

Estimated Cost= 7.50 Lakhs

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
1	Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single groove and double groove as per requirements for the fames of overall size 101.6mm x 44.45mm, 3 .18mm.thick having sectionweight, plain sections 2.40kg/m single grove section 2.541 kg/m. and double grove section 2.683 kg/m and bottom bottom member 114.3 mm x 44.45 mm 3.18 mm thick and 2.6 46 kg/m; aluminium louvres of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m; bottom portions provided with 12mm. thick pre laminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and riveted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teakwood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at to and floor at -bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level; and 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with lower sections, the glass and panels fitted with glazing clips of 19mmx17.3mm. with thickness of 0.9mm. weight 0.124kg/m; aluminium sections pre-treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable size holes and fixing with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) All the frame should be throughly cleaned free from rust, scale or dirt including cost								
	using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. (Page 37 Item No 7.14.2) Sr : 2018-19								
		Sqm							
	AEE Cabin		1	3.60		3.05	10.98		
			1	2.40		3.05	7.32		
	AE Cabin		1	4.20		3.05	12.81		
			1	3.00		3.05	9.15		
			1	2.40		1.50	3.60		
	Deduction Doors		-3	0.90		2.10	-5.67		
					Total Quantity		**38.19**	**4722.88**	**1,80,366.93**
	Rate Analysis								
					Basic Rate:-	4795.00			
					Area Weightage @8%:-	383.60			
					Sub Total:-	5178.60			
					Tp Charges (-8.79%):-	-455.72			
					Total Amount :-	**4722.88**			

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
2	Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101,6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1,505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred corners grinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and'fitted with screws, rawl- plugs or teakwood gutties to R.C.C. columns or masonry on sides, beams and flooring in bottom, including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM complete as per specifications.using aluminium section powdered coated to a minimum of Sqm 60-70 microns with exterior durable pure polyester grade powder of approved quality. (Page 39 Item No 7.17.2) Sr : 2018-19								
		Sqm							
	Doors		3	0.90		2.10	5.67		
						Total Quantity	5.67	6126.45	34,736.98
	Rate Analysis								
					Basic Rate:-	6220.00			
					Area Weightage @8%:-	497.60			
					Sub Total:-	6717.60			
					Tp Charges (-8.79%):-	-591.15			
					Total Amount :-	**6126.45**			
3	Dismantling Weather Proof Course and Removing and Conveying the debris to a distance upto 200m. (Page 269 Item No 37.44) Sr : 2018-19								
		Cum							
						Total Quantity	0.00	728.87	0.00
	Rate Analysis								
					Basic Rate:-	740.00			
					Area Weightage @8%:-	59.20			
					Sub Total:-	799.20			
					Tp Charges (-8.79%):-	-70.33			
					Total Amount :-	**728.87**			
4	For roof Slab & Terraces Providing & applying water proofing to roof slab, terraces, landscape Sqm area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage. Standards & Methodology : This compound has a medium viscosity grade with 620% of elongation and shall be done either by roller application/brush application/ spray. This will be applied for a thickness of 1.3mm first layer 0.5mm & 2nd layer 0.8mm. After applying the 2nd layer sand sprinkle shall be done to provide mechanical key. (Page 275 Item No 38.2) Sr : 2018-19								

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
		Cum		L in m	B in m	D in m			
						Total Quantity	0.00	615.60	0.00
	Rate Analysis				Basic Rate:-	625.00			
					Area Weightage @8%:-	50.00			
					Sub Total:-	675.00			
					Tp Charges (-8.79%):-	-59.40			
					Total Amount :-	615.60			
5	Removing the tiles in patches in area exceeding 10 tiles and not exceeding 5 sqm including removing old tiles preparing surfaces and laying or setting new or old tiles complete including cost of materials, (excluding cost of tiles) labour, complete as per specifications. Specification No.KBS Item No 16.31 page No 133 Sr 2018-19								
		Sqm							
						Total Quantity	0.00	791.91	0.00
	Rate Analysis				Basic Rate:-	804.00			
					Area Weightage @8%:-	64.32			
					Sub Total:-	868.32			
					Tp Charges (-8.79%):-	-76.41			
					Total Amount :-	791.91			
6	Providing and fixing Vitrified glazed tiles of approved make, quality Sqm & colour of size 600 x 600 x 10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc., Complete as per specification. Item No 14.45 page No 109 Sr 2018-19								
		Sqm							
	Rooms		1	4.50	4.50		20.25		
						Total Quantity	20.25	961.32	19,466.75
	Rate Analysis				Basic Rate:-	976.00			
					Area Weightage @8%:-	78.08			
					Sub Total:-	1054.08			
					Tp Charges (-8.79%):-	-92.76			
					Total Amount :-	961.32			
7	Providing and fixing storage unit of 0.75m depth made out of 19mm thick commercial ply vertical support finished in approved 1.00mm laminate with 12mm thick ply packing internally finished with enamel paint of approved colour and shade shelves shall be formed out of 19mm ply finished with enamel paint of approved shade and colour and 19mm thick shutters formed out of 19mm thick ply finished with 1.00mm thick laminate of approved shade and colour etc., complete the rate includes cost of all materials, labour charges, complete as per specification. Item No 39.4 page No 324 Sr 2018-19								
		Sqm							

	Description of work	Unit	Nos	L in m	B in m	D in m	Quantity	Rs.	Rs.
	Storage Unit		1	1.80		2.10	3.78		
						Total Quantity	3.78	12873.43	48,661.56
	Rate Analysis								
					Basic Rate:-	13070.00			
					Area Weightage @8%:-	1045.60			
					Sub Total:-	14115.60			
					Tp Charges (-8.79%):-	-1242.17			
					Total Amount :-	12873.43			
8	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.. Item No 15.49.1 page No 119 Sr 2018-19								
		Sqm							
	AEE Office		1	24.00		3.05	73.20		
			1	12.60		3.05	38.43		
			1	18.00		3.05	54.90		
						Total Quantity	166.53	108.35	18,042.79
	Rate Analysis								
					Basic Rate:-	110.00			
					Area Weightage @8%:-	8.80			
					Sub Total:-	118.80			
					Tp Charges (-8.79%):-	-10.45			
					Total Amount :-	108.35			
Eirl-1	Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per specifications. Specification Honne wood frames Item No 9.11 page No 53 Sr 2018-19								
		Cum							
	AEE Office		2	2.20	0.10	0.20	0.09		
			2	1.20	0.10	0.20	0.05		
						Total Quantity	0.14	86286.45	11,734.96
	Rate Analysis								
					Basic Rate:-	87604.00			
					Area Weightage @8%:-	7008.32			
					Sub Total:-	94612.32			
					Tp Charges (-8.79%):-	-8325.87			
					Total Amount :-	86286.45			
Eirl-2	Providing and fixing in position fully panelled wood shutters for doors, with styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications, (excluding cost of fixtures) Specification No. KBS 9.34 Item No 9.15 page No 53 Sr 2018-19								
	Honne wood	Sqm							
	AEE Office		1	2.10	1.20		2.52		
						Total Quantity	2.52	4650.98	11,720.47
	Rate Analysis								
					Basic Rate:-	4722.00			

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
				Area Weightage @8%:-	377.76				
				Sub Total:-	5099.76				
				Tp Charges (-8.79%):-	-448.78				
				Total Amount :-	**4650.98**				
Eirl-3	Providing and fixing white vitreous china clay, water Each closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Item No 12.5 page No 79 Sr 2018-19								
	Western Type	**Each**							
	AEE Office		1				1.00		
						Total Quantity	**1.00**	**4881.46**	**4,881.46**
	Rate Analysis								
				Basic Rate:-	4956.00				
				Area Weightage @8%:-	396.48				
				Sub Total:-	5352.48				
				Tp Charges (-8.79%):-	-471.02				
				Total Amount :-	**4881.46**				
Eirl-4	Providing and fixing white vitreous china clay' flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Item No 12.23 page No 82 Sr 2018-19								
	Wash Basin	**Unit**							
	AEE Office		1				1.00		
						Total Quantity	**1.00**	**3946.74**	**3,946.74**
	Rate Analysis								
				Basic Rate:-	4007.00				
				Area Weightage @8%:-	320.56				
				Sub Total:-	4327.56				
				Tp Charges (-8.79%):-	-380.82				
				Total Amount :-	**3946.74**				
Eirl-5	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications.for Ceramic Tiles of size 30x30cms, 6mm thick. Item No 14.36.2 page No 108 Sr 2018-19								
	Wash Basin	**Sqm**							
	Toilet Wall Cladding		2	2.10		2.10	8.82		
			2	1.50		2.10	6.30		
	Door deduction		-1	0.90		1.80	-1.62		
						Total Quantity	**13.50**	**1191.80**	**16,089.32**
	Rate Analysis								
				Basic Rate:-	1210.00				
				Area Weightage @8%:-	96.80				

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
				Sub Total:-	1306.80				
				Tp Charges (-8.79%):-	-115.00				
				Total Amount :-	**1191.80**				
Eirl-6	Removing and Resetting of Foothpath Slab Item No 37.56 page No 270 Sr 2018-19								
	Mallasandra Ward Park	**Sqm**							
	Damaged Portion		2	24.00	2.20		105.60		
			2	34.00	2.20		149.60		
						Total Quantity	**255.20**	**194.04**	**49,518.28**
	Rate Analysis								
				Basic Rate:-	197.00				
				Area Weightage @8%:-	15.76				
				Sub Total:-	212.76				
				Tp Charges (-8.79%):-	-18.72				
				Total Amount :-	**194.04**				
Eirl-7	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification Item No 20.18 page No 155 Sr 2018-19								
	Mallasandra Ward Park	**Cum**							
	Damaged Portion		2	2.20	1.10	0.15	0.73		
			1	1.20	1.60	0.15	0.29		
	R/R		2	24.00	2.20	0.15	15.84		
			2	34.00	2.20	0.15	22.44		
						Total Quantity	**39.29**	**1859.60**	**73,071.31**
	Rate Analysis								
				Basic Rate:-	1888.00				
				Area Weightage @8%:-	151.04				
				Sub Total:-	2039.04				
				Tp Charges (-8.79%):-	-179.44				
				Total Amount :-	**1859.60**				
Eirl-8	Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications.heavy duty cobble stones 60mm thick Item No 14.6 page No 103 Sr 2018-19								
	Mallasandra Ward Park	**Sqm**							
	Damaged Portion		2	2.20	1.10		4.84		
			1	1.20	1.60		1.92		
						Total Quantity	**6.76**	**1037.16**	**7,011.22**
	Rate Analysis								
				Basic Rate:-	1053.00				
				Area Weightage @8%:-	84.24				
				Sub Total:-	1137.24				
				Tp Charges (-8.79%):-	-100.08				
				Total Amount :-	**1037.16**				

	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
	Removing and resetting of kerb stones m. Item No 37.57 page No 270 Sr 2018-19								
	Mallasandra Ward Park	**Mtr**							
			4	44.00			176.00		
			4	34.00			136.00		
						Total Quantity	**312.00**	**97.51**	**30,423.45**
	Rate Analysis								
						Basic Rate:-	99.00		
						Area Weightage @8%:-	7.92		
						Sub Total:-	106.92		
						Tp Charges (-8.79%):-	-9.41		
						Total Amount :-	**97.51**		
Eirl-10	Providing and fixing pre cast solid cement concrete kerb stone made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. Nos. 408.00. Item No 14.36.2 page No 108 Sr 2018-19								
	Mallasandra Ward Park	**No,s**							
	Damaged Portion		1	25.00			55.56		
						Total Quantity	**56.00**	**401.86**	**22,504.37**
	Rate Analysis								
						Basic Rate:-	408.00		
						Area Weightage @8%:-	32.64		
						Sub Total:-	440.64		
						Tp Charges (-8.79%):-	-38.78		
						Total Amount :-	**401.86**		
Eirl-11	Providing and applying ready mix priming coat over concrete I masonry I asbestos cement sheet I plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Item No 15.80 page No 124 Sr 2018-19								
	Mallasandra Ward Park	**Sqm**							
	Kerb Paint		4	44.00	0.45		79.20		
			4	34.00	0.45		61.20		
						Total Quantity	**140.40**	**36.44**	**5,116.67**
	Rate Analysis								
						Basic Rate:-	37.00		
						Area Weightage @8%:-	2.96		
						Sub Total:-	39.96		
						Tp Charges (-8.79%):-	-3.52		
						Total Amount :-	**36.44**		

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
Eirl-12	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. Item No 24.1 page No 180 Sr 2018-19								
	Mallasandra Ward Park	Sqm							
	Kerb Paint		4	44.00	0.45		79.20		
			4	34.00	0.45		61.20		
						Total Quantity	**140.40**	**78.80**	11,063.07
	Rate Analysis								
					Basic Rate:-	80.00			
					Area Weightage @8%:-	6.40			
					Sub Total:-	86.40			
					Tp Charges (-8.79%):-	-7.60			
					Total Amount :-	**78.80**			
								Sub Total Amount :-	5,48,356.33
								Gst 18% :-	98,704.14
								Micelleneous and Rounding Off :-	1,02,939.53
								Total Amount :-	7,50,000.00

Certificate:

1.Total Sanctioned Tender Amount :- **Rs. 5,49,513.00**

2.Total cost of the project after Work slip and EIRL:- **Rs. 5,48,356.33**

3.Net Savings Amount of Work Slip & EIRL :- **1156.67**

4.Total % Savings to the Tendered Amount:- **0.210%**

5.Estimate is perpared Making Use of essential Item of work as per site Conditions in safest way of Execution

6..This work is not included in any other program of work

Assistant Engineer
Ward No.13

Assistant Executive Engineer
Shettyhalli Sub division

Executive Engineer
Dasarahalli Divison

Technically Sanctioned for Rs. 5.48 lakhs/-
Rs. In words Rs. Five lakhs Forty Eight thousand three hundred & sixty
Under Sub Amnty
P-3292
Job Order No. 013-19-000011
Registered at Cl No. 48/2022-23 Subject to conditions contained in Enclosed Memo No. CE/322/TS/48/2022-23 Dt. 20/03/2023
AE/JE 20/03 CE(D)